N° 10,067 A.D. 1905

Date of Application, 13th May, 1905—Accepted, 24th Aug., 1905

COMPLETE SPECIFICATION.

Improvements in and relating to the Treating of Patients by Static, Galvanic, or like Electrical Currents.

I, Gerald Joseph Macaura, M.D., (U.S.A)., of 4, Spring Bank, Bradford, in the County of York, Medical Practitioner, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention is for improvements in and relating to the treating of patients by static, galvanic, or like electrical currents, and has for its object an improved means of and apparatus for treatment, whereby any reasonable number of patients may be treated at one and the same time, from one machine or generator.

Hitherto, in treating patients by means of an electric current, it has been customary to treat one patient at a time from one machine, from which the desired current is produced. In some cases, however, as many as three patients have been treated at one and the same time from one machine, but in such case, the treatment has entailed the employment of a nurse or assistant for each person, whereas by my improved means I may treat at one and the same time from one machine, as many patients as may be comfortably seated in an ordinary room, for example, twenty or thirty, without necessitating a nurse or assistant for each patient. Further, by this means I am enabled to treat a great number of patients in a day, and consequently, the patients' time is not unduly wasted, through waiting their turn, and in addition, there is a saving of fees for the patients.

In describing my invention in detail, reference is made to the accompanying sheet of drawings, similar letters indicating similar parts, in which,

Fig. 1 represents a plan of a room fitted with my improvement.

Fig. 2 represents a sectional elevation shewing the insulated rod and adjustable stationary electrode hereinafter referred to.

I accomplish my object by conducting the current, generated by any machine A, suitable for the purpose, by means of a chain or the like B, to an insulated rod of metal C, such rod being arranged at a suitable height from the floor of the room, and around the same, or partially so, as may be desired.

For the privacy of the patient, the room may be divided into what might be termed cubicles D. The rod C may be retained either on insulated brackets E, attached to one or more of the partitions P, comprising ebonite or like bearing E^1, and stiff rubber or like supports E^2; or suspended from the ceiling by means of suitable insulated suspension rods.

In each cubicle D is placed an electrode F, which may be adjusted in such a manner as to be adjacent to or in contact with the seat of the ailment to be treated. The electrode F is supported in an insulated adjustable arm F^1, whereby the same may be turned in any direction, such arm F^1 is in turn mounted on an insulated bracket or the like G which may revolve, such bracket terminating in a collar H, which surrounds the spindle J of a suitable stand, the collar H being clamped into the desired position on spindle J by means of a screw or the like H^1.

Connecting the insulated rod C to the electrode F is an insulated wire, rod, chain, or the like K, which may be attached to the electrode in any suitable manner, and either hooked over the insulated rod C, or attached to a metal ring in contact with the said rod.

The patient is seated in a cubicle. The electrode F is adjusted to the required position by means of the collar H and screw H¹, and the movable bearing F¹ in which the electrode is retained. The electrode is then connected to the rod C, by means of the wire or like K, and the patient left alone to undergo the treatment; the electrode being stationary, and not held in the hand and operated by an assistant or nurse, as hitherto.

I am aware that a stationary adjustable electrode similar to that described above is not in itself novel in electro medical apparatus.

Having now particularly described and ascertained the nature of this invention, and in what manner the same is to be performed, I declare that what I claim is:—

1. The improved means and apparatus comprising insulated metal rod C, and stationary adjustable electrode F, whereby a large number of patients may be treated simultaneously from one machine, substantially as hereinbefore described and set forth.

Dated this 12th day of May, 1905.

JOHN WAUGH,
Agent, Sunbridge Chambers, Bradford.

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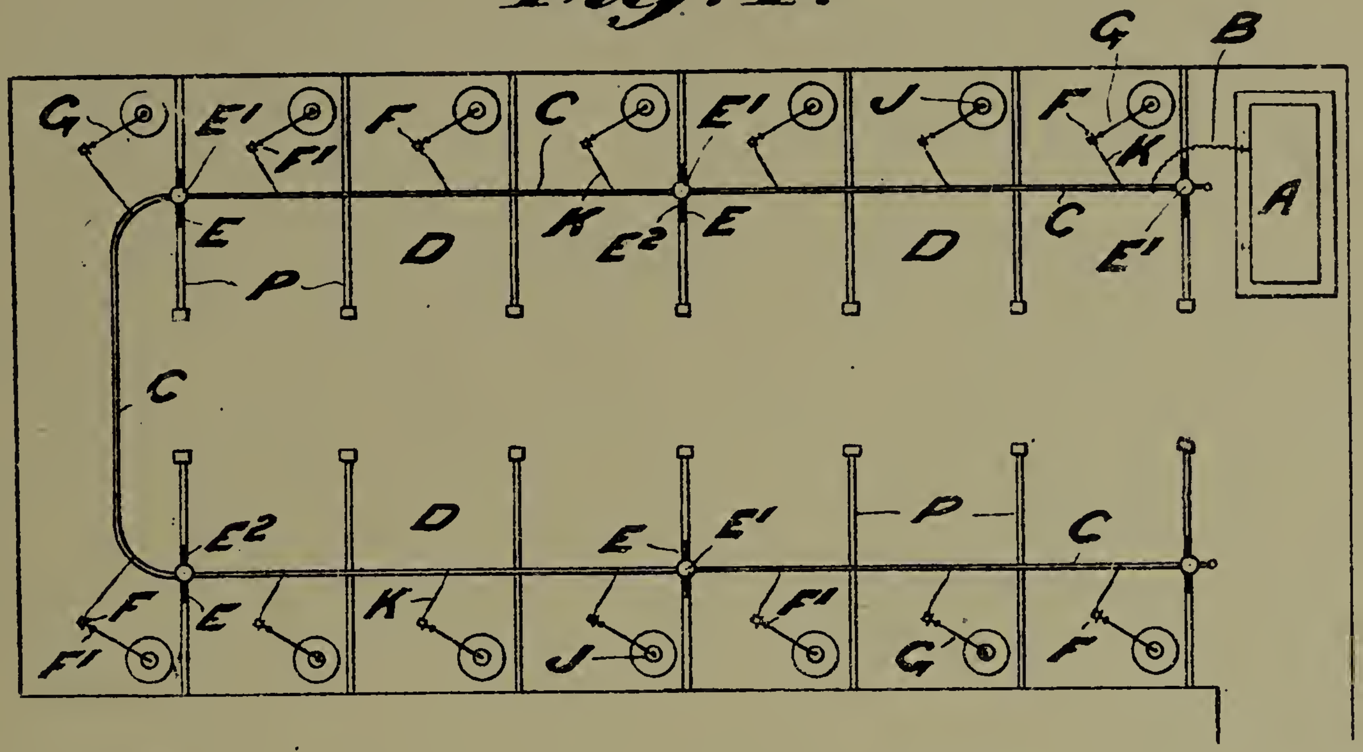
A.D. 1905. May 13. N.º 10,067.

MACAURA'S COMPLETE SPECIFICATION. (1 SHEET)

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.



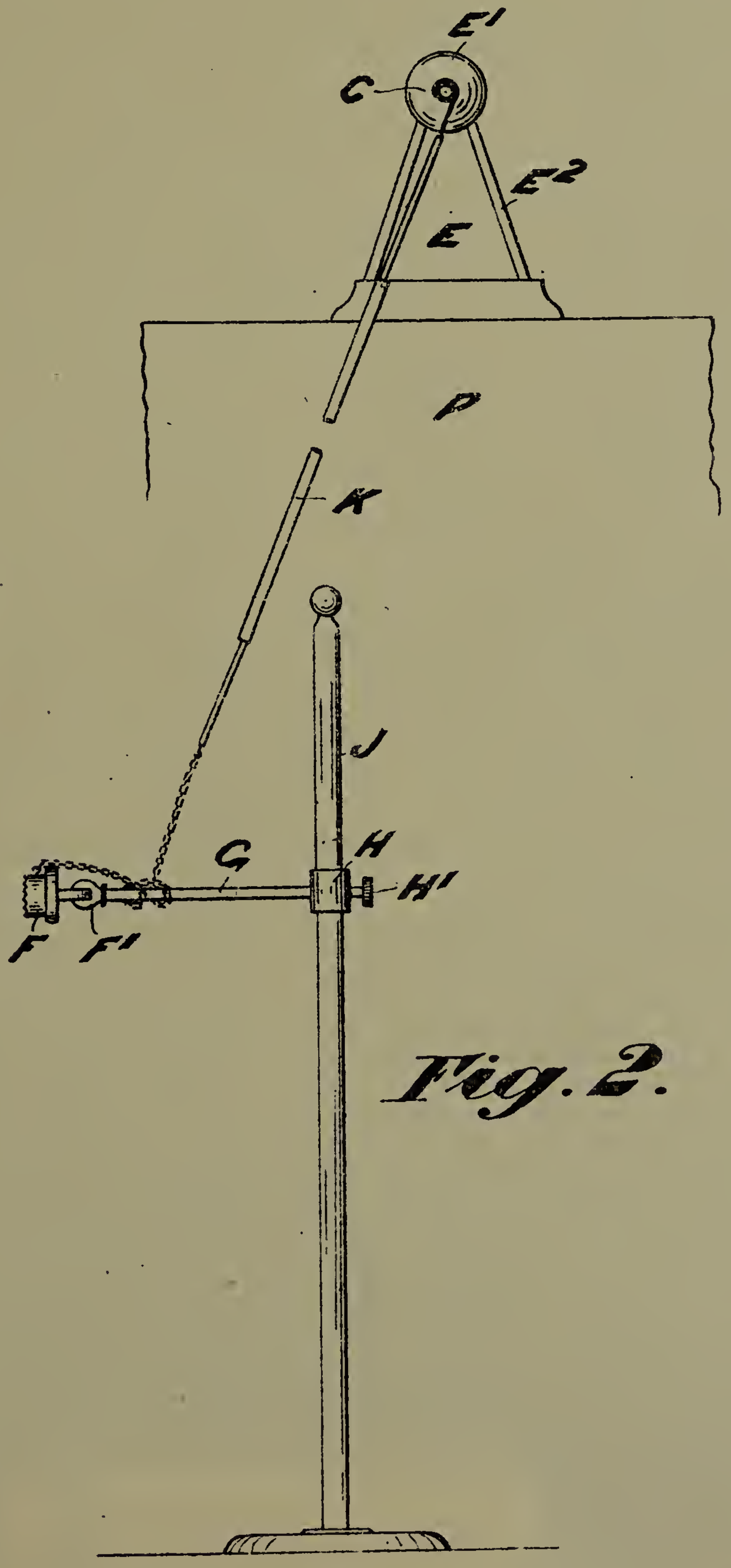


Fig. 2.

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